

HP ProLiant Storage System

iSCSI Feature Pack 1.53

release notes



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iSCSI Feature Pack 1.53 release notes

About this document

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Release notes information

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Intended audience

This document is intended for customers who purchased the HP ProLiant Storage Server iSCSI Feature Pack Version 1.53.

Accessing future product updates

HP strongly recommends that customers sign up online using the Subscriber's choice web site at <http://www.hp.com/go/e-updates>.

- Subscribing to this service provides you with e-mail updates on the latest product enhancements, newest versions of drivers, and firmware documentation updates, as well as instant access to numerous other product resources.
- After signing up, you can quickly locate your products by selecting **Business support**, and then **Storage** under Product Category.

Other related documentation

For general information on using the iSCSI Feature Pack, see:

- Online help (accessible through the software)
- *iSCSI Feature Pack user guide* (on the Documentation CD)
- *Application Storage Manager user guide* (on the Documentation CD)

Additional documentation, including white papers and best-practices documents, is available on the HP web site at: <http://www.hp.com/support/storage>.

Installation issues

This section provides HP ProLiant Storage Server iSCSI Feature Pack installation information.

The HP ProLiant Storage Server iSCSI Feature Pack installer

The iSCSI Feature Pack installer presents only those software options that are compatible with the operating system of the destination server. HP recommended features are checked during the installation process. See the description of each feature to find out more information and to see if the installer detects any previous installations of this feature.

Supported configurations

The Installation CD contains both the iSCSI Feature Pack target software and Application Storage Manager (ASM) software. The software is supported on the following HP storage servers:

Software	Supported Servers
iSCSI Feature Pack—Standalone Edition	<ul style="list-style-type: none">• HP ProLiant ML110 Storage Server• HP ProLiant ML110G2 Storage Server*• HP ProLiant DL100 Storage Server• HP ProLiant ML350 G4 Storage Server• HP ProLiant ML370 G4 Storage Server• HP ProLiant DL380 G4 Storage Server (Base, External SCSI, and External SATA models)• HP StorageWorks NAS 500s• HP StorageWorks NAS 1500s• HP StorageWorks NAS 2000s <p>*The ML110G2 320GB model is not licensed to support iSCSI Feature Pack.</p>
iSCSI Feature Pack—Gateway Edition	<ul style="list-style-type: none">• HP ProLiant DL380 G4 Storage Server (SAN Storage model)• HP ProLiant DL580 G2 Storage Server• HP ProLiant DL585 Storage Server• HP StorageWorks NAS 4000s• HP StorageWorks NAS 9000s
Application Storage Manager (ASM)	<ul style="list-style-type: none">• HP ProLiant ML110 Storage Server (V1)• HP ProLiant DL100 Storage Server• HP ProLiant ML370 G4 Storage Server• HP ProLiant ML110 Storage Server (V2)• HP ProLiant ML350 G4 Storage Server• HP ProLiant DL380 G4 Storage Server (Base, External SCSI, and External SATA models)

Unsigned driver installation

During the installation of the iSCSI Feature Pack, you are prompted to install the *unsigned driver*. This driver is a SCSI HBA emulation driver and is necessary for the proper operation of the iSCSI Feature Pack. If you do not install this driver, the iSCSI Feature Pack installation fails. To correct this situation, go to the Support/Tools directory on your iSCSI Feature Pack Installation CD and run the `FSRepair.exe` utility. Then, reboot the storage server, and reinstall the iSCSI Feature Pack with the unsigned driver.

iSCSI Feature Pack issues

The following section provides information about the iSCSI Feature Pack target software.

Shadow Copy Web UI page does not display properly

After installing the iSCSI Feature Pack target software, the Windows Storage Server (WSS) 2003 Web UI shadow copy page might not display properly. To correct this, exit the WSS Web UI, and use the standard Microsoft shadow copy tools in Windows Explorer or in My Computer.

Application Storage Manager issues

The following section provides information about the ASM component of the iSCSI Feature Pack.

Task View window

The Task View window is displayed for any task that takes longer than two seconds to complete. You can manually launch it at any time from the ASM toolbar (**Tools>Task Viewer**). After storage system changes are made, the Task Viewer opens (if the task is longer than two seconds) and displays the task list that the system is running, and the status of those tasks.

iSCSI license key error

If ASM is launched before installing the iSCSI license key, a warning box displays that iSCSI is not licensed. A hyperlink to the iSCSI License Key web page is provided. Click the link to install the license.

After the license is installed, click OK to display an error page stating that the web page has timed out or you might have opened this page without opening the default home page. If you receive this error, the iSCSI license key installed successfully. You can ignore the error and begin using ASM.

Dynamic disks are not supported

ASM and iSCSI Feature Pack do not support Windows dynamic disks configured on the storage server.

ML110 and DL100 systems do not support creating and growing logical disks

ASM does not support creating and growing logical disks on HP ProLiant ML110 and DL100 Storage Servers containing the Adaptec storage controller. These systems are shipped with a pre-configured data volume. This volume is usable by the Application Storage Manager.

ASM sets warning and critical thresholds for the directory quotas

The warning threshold value that is entered for an application area corresponds to the WSS WebUI Directory Quotas warning and critical threshold values. ASM sets both the warning value and the critical value to the number entered in the ASM warning threshold field.

To separate the warning and critical values, set the critical value in the WSS WebUI Directory Quotas page rather than setting it in ASM.

NOTE: Only the warning value is displayed in the ASM user interface.

Avoid empty iSCSI pools

Most storage that is created and managed through ASM uses iSCSI pools as part of the storage configuration. This approach allows for future expansion of the iSCSI LUN by adding more iSCSI raw devices, or iSCSI file devices to the pool. If all of the underlying storage in a pool is deleted, leaving a pool of zero size, ASM recognizes this as an error state and does not allow further creation or management of storage until the error is corrected. To resolve this situation, use the Web-based user interface for the iSCSI Feature Pack to delete the zero-size pool that is causing the problem.

Explanation of “storage could not be found” message

When ASM runs its discovery, it discovers information about each of the application servers it is managing. If an agent on a particular application server cannot be reached, the areas managed by ASM display a critical alert that the storage could not be found.

Avoid renaming components hosted by ASM

If an instance or area managed by ASM is renamed on the application server, ASM displays an alert that the instance or area could not be found. To resolve this alert from within ASM, remove the instance or area from view, and then run the appropriate *host* wizard.

For example, if ASM is managing an Exchange mailstore, and the mailstore is renamed on the application server, ASM displays an alert that the mailstore could not be found. To resolve the problem from within ASM, Remove from View the problem mailstore, and then run the Host an Exchange Storage Group to re-manage the mailstore. ASM manages the mailstore and no migration is necessary because the data is already located on the storage server.

Alert messages not propagated up

When an ASM area causes a Warning or Critical status, the status of this area is propagated up to the instance, but the alert message is not.

Troubleshooting tips

ASM errors

All ASM-related errors are logged to the Windows Event Manager. Examine the Event Manager contents while looking for additional error information by selecting **Start>Programs>Administrative Tools>Event Viewer**.